CLAIMS – Application Number 09/895,979

The text of the claims involved in the appeal are:

1. (Currently Amended) A method for tracking tasks in a logging system, the method comprising:

receiving, at log task manager, a request associated with an application program to assign a unique task identification to a set of related events having a relationship with a task identified by the application program to be tracked, wherein the relationship between the set of related events and the task is established by the application program;

generating, at a log task manager, the unique task identification;

attaching the unique task identification to a transport mechanism that passes information between components and utilizes a message context;

combining the unique task identification with logging information generated by one or more of the components to correlate logging information entries associated with related events; and

filtering a plurality of logging information entries based on the unique task identification to produce a set of correlated logging information entries associated with the related events for presentation to a user.

2. The method as recited in claim 1, wherein attaching the unique task identification to the transport mechanism comprises attaching the unique task identification to a local thread transport.

3. The method as recited in claim 2, further comprising:

at the local thread transport, extending the inheritable thread local; and

at the local thread transport, placing the task identification on a local thread.

4. (Currently Amended) A method for tracking tasks in a logging system, the method comprising:

receiving, at log task manager, a request associated with an application program to assign a unique task identification to a set of related events having a relationship with a task identified by the application program to be tracked, wherein the relationship between the set of related events and the task is established by the application program;

generating, at a log task manager, the unique task identification;

attaching the unique task identification to a transport mechanism that passes information between components ~~The method as recited in claim 1~~, wherein the transport mechanism utilizes a remote proxy call;

combining the unique task identification with logging information generated by one or more of the components to correlate logging information entries associated with related events; and

filtering a plurality of logging information entries based on the unique task identification to produce a set of correlated logging information entries associated with the related events for presentation to a user.

5. (Currently Amended) A method for tracking tasks in a logging system, the method comprising:

receiving, at log task manager, a request associated with an application program to assign a unique task identification to a set of related events having a relationship with a task identified by the application program to be tracked, wherein the relationship between the set of related events and the task is established by the application program;

generating, at a log task manager, the unique task identification;

attaching the unique task identification to a transport mechanism that passes information between components ~~The method as recited in claim 1~~, wherein the transport mechanism utilizes port hardware;

combining the unique task identification with logging information generated by one or more of the components to correlate logging information entries associated with related events; and

filtering a plurality of logging information entries based on the unique task identification to produce a set of correlated logging information entries associated with the related events for presentation to a user.

6. The method as recited in claim 1, wherein the transport mechanism utilizes a point to point protocol.

7. (Currently Amended) The method as recited in claim [[1]] 6, wherein the point to point protocol is a hypertext transfer protocol.

8. (Currently Amended) The method as recited in claim 1, wherein the transport mechanism utilizes [[a]] the message context for transporting data remotely.

9. (Currently Amended) A method for tracking tasks in a logging system, the method comprising:

receiving, at log task manager, a request associated with an application program to assign a unique task identification to a set of related events having a relationship with a task identified by the application program to be tracked, wherein the relationship between the set of related events and the task is established by the application program;

generating, at a log task manager, the unique task identification;

attaching the unique task identification to a transport mechanism that passes information between components;

combining the unique task identification with logging information generated by one or more of the components to correlate logging information entries associated with related events;

filtering a plurality of logging information entries based on the unique task identification to produce a set of correlated logging information entries associated with the related events for presentation to a user; and

~~The method as recited in claim 1,~~ wherein the unique task identification is a first unique task identification, the related events are first related serial events and further comprising:

receiving, at the log task manager, a request from the application program for a second unique task identification assigned to second related serial events identified by the application program; and

attaching the second unique task identification to the transport mechanism.

10. The method as recited in claim 1, further comprising:

mapping a taskID to a corresponding action, wherein the corresponding action provides a user friendly description of the related events; and

presenting logging information to a user based on the corresponding action.

11. (Currently Amended) A computer program product in a computer readable media for use in a data processing system for tracking tasks in a logging system, the computer program product comprising:

first instructions for receiving, at log task manager, a request associated with an application program to assign a unique task identification to a set of related events having a relationship with a task identified by the application program to be tracked, wherein the relationship between the set of related events and the task is established by the application program;

second instructions for generating, at a log task manager, the unique task identification;

third instructions for attaching the unique task identification to a transport mechanism that passes information between components and utilizes a message context;

fourth instructions for combining the unique task identification with logging information generated by one or more of the components to correlate logging information entries associated with related events; and

fifth instructions for filtering a plurality of logging information entries based on the unique task identification to produce a set of correlated logging information entries associated with the related events for presentation to a user.

12. The computer program product as recited in claim 11, wherein attaching the unique task identification to the transport mechanism comprises attaching the unique task identification to a local thread transport.

13. The computer program product as recited in claim 12, further comprising:

sixth instructions, at the local thread transport, for extending the inheritable thread local; and

seventh instruction, at the local thread transport, for placing the task identification on a local thread.

14. The computer program product as recited in claim 11, wherein the transport mechanism utilizes a remote proxy call.

15. The computer program product as recited in claim 11, wherein the transport mechanism utilizes port hardware.

16. The computer program product as recited in claim 11, wherein the transport mechanism utilizes a point to point protocol.

17. (Currently Amended) The computer program product as recited in claim [[11]] 16, wherein the point to point protocol is a hypertext transfer protocol.

18. (Currently Amended) The computer program product as recited in claim 11, wherein the transport mechanism utilizes [[a]] the message context for transporting data remotely.

19. The computer program product as recited in claim 11, wherein the unique task identification is a first unique task identification, the related events are first related serial events and further comprising:

sixth instructions for receiving, at the log task manager, a request from the application program for a second unique task identification assigned to second related serial events identified by the application program; and

seventh instructions for attaching the second unique task identification to the transport mechanism.

20. The computer program product as recited in claim 11, further comprising:

sixth instructions for mapping a taskID to a corresponding action, wherein the corresponding action provides a user friendly description of the related events; and

seventh instructions for presenting logging information to a user based on the corresponding action.

21. (Currently Amended) A computer system for tracking tasks in a logging system, the computer system ~~program product~~ comprising:

a logging manager which receives request associated with an application program to assign a unique task identification to a set of related events having a relationship with a task identified by the application program to be tracked, wherein the relationship between the set of related events and the task is established by the application program;

a unique taskID generator which generates the unique task identification;

a task transport unit which attaches the unique task identification to a transport mechanism that passes information between components and utilizes a message context;

a logger which combining the unique task identification with logging information generated by one or more of the components to correlate logging information entries associated with related events; and

a filter which filters a plurality of logging information entries based on the unique task identification to produce a set of correlated logging information entries associated with the related events for presentation to a user.

22. (Currently Amended) The computer system ~~program product~~ as recited in claim [[11]] 21, further comprising:

a mapper which maps a taskID to a corresponding action, wherein the corresponding action provides a user friendly description of the related events; and

a presentation unit which presents logging information to a user based on the corresponding action.